

SEQUENCE LISTING

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 Chang, Hwai Wen
 Callahan, Marie A
 Quan, Jeanette

10 <120> Simplified Method For Indexing And Determining The Relative
 Concentration Of Expressed Messenger RNAs

15 <130> 98-430
 <140>
 <141> 2001-02-01
 <150> US 09/186,869
 <151> 1998-11-04
 <150> PCT/US99/23655
 <151> 1999-10-14

20 <160> 41
 <170> PatentIn Ver. 2.0

25 <210> 1
 <211> 79
 <212> DNA
 <213> Artificial Sequence
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30 <222> 1
 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor
 primer) wherein base 1 is a biotinylated adenosine residue.
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35 <222> 77
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 primer) wherein v can represent A, C, or G.
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40 <222> 78
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 primer) n can represent A, C, G, or T.
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 primer) n can represent A, C, G, or T.
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 20 <222> 68
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 <400> 2
 25 atgaattctc tagagtctga gctccaccgc ggtagtactc actgcagttt tttttttttt 60
 tttttvnn 68
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 40 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) wherein v can represent A, C, or G.
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 <221> misc_feature
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 45 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.
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 <221> misc_feature
 <222> 77
 50 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.
 <400> 3
 gaattcaact ggaagcggcc gcaggaagag ctccaccgcg gtagtactca ctgcagtttt 60

tttttttttt ttttvnn

77

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<211> 48

5 <212> DNA

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<220>

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<222> 1

10 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) wherein base 1 is a biotinylated guanosine residue.

<220>

<221> misc_feature

<222> 46

15 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) wherein v can represent A, C, or G.

<220>

<221> misc_feature

<222> 47

20 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.

<220>

<221> misc_feature

<222> 48

25 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.

<400> 4

gaattcaact ggaagcggcc gcaggaattt tttttttttt tttttvnn

48

30 <210> 5

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

35 <223> Description of Artificial Sequence: 3' PCR primer

<400> 5

gagctccacc gcggt

15

40 <210> 6

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

45 <223> Description of Artificial Sequence: 3' PCR primer

<400> 6

gagctcgttt tcccag

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50 <210> 7

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: one strand of double stranded adapter

<400> 7

5 atgaattcgg taccaattaa ccctcactaa agggacagct tatcatcgct cgagctcgac 60
ggtat 65

<210> 8

<211> 67

10 <212> DNA

<213> Artificial Sequence

<220>

15 <223> Description of Artificial Sequence: other strand of double stranded adapter

<400> 8

cgataccgtc gagctcgagc gatgataagc tgtcccttta gtgagggtta attggtaccg 60
aattcat 67

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<210> 9

<211> 52

<212> DNA

<213> Artificial Sequence

25 <220>

<221> misc_feature

<222> 1

30 <223> Description of Artificial Sequence: O1 (antisense strand); double stranded adapter wherein base 1 is a phosphorylated cytosine residue.

<400> 9

cgataccgtc gacctcgagg tccctttagt gagggttaat tggtagcgaa tt 52

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<210> 10

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

40 <223> Description of Artificial Sequence: O2 (sense strand); double stranded adapter

<400> 10

45 aattcgggtac caattaaccc tcactaaagg gacctcgagg tcgacggtat 50

<210> 11

<211> 56

<212> DNA

<213> Artificial Sequence

50 <220>

<221> misc_feature

<222> 1

<223> Description of Artificial Sequence: One strand of double stranded adapter wherein base 1 is a phosphorylated guanosine residue.

<400> 11
gatcctcacc acagagcttc gaggtccctt tagtgagggt taattggtac cgaatt 56

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<210> 12
<211> 52
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: One strand of double stranded adapter

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<400> 12
aattcgggtac caattaaccc tcactaaagg gacctcgaag ctctgtggtg ag 52

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<210> 13
<211> 52
<212> DNA
<213> Artificial Sequence

25

<220>
<221> misc_feature
<222> 1
<223> Description of Artificial Sequence: One strand of a double stranded adapter wherein base 1 is a phosphorylated cytosine residue.

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<400> 13
ctcaccacag agcttcgagg tccctttagt gagggttaat tggtagcgaa tt 52

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<210> 14
<211> 56
<212> DNA
<213> Artificial Sequence
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<223> Description of Artificial Sequence: One strand of double stranded adapter

40

<400> 14
aattcgggtac caattaaccc tcactaaagg gacctcgaag ctctgtggtg agcatg 56

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<210> 15
<211> 21
<212> DNA
<213> Artificial Sequence
<220>

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<223> Description of Artificial Sequence: Reverse transcriptase (RT) MN₀ primer
<400> 15
cagtctgagc tccaccgagg t 21

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<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<221> misc_feature
<222> 21
<223> Description of Artificial Sequence: synthetic primer (5' PCR N₁ primer)
each n can represent A, C, G, or T.

<400> 16
ctcgagctcg acggtatcgg n 21

<210> 17
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<221> misc_feature
<222> 22
<223> Description of Artificial Sequence: synthetic primer (5' PCR N₁ primer)
each n can represent A, C, G, or T.

<400> 17
cctcgaggtc gacggtatcg gn 22

<210> 18
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<221> misc_feature
<222> 13, 14, 15, 16
<223> Description of Artificial Sequence: synthetic primer (5' PCR N₄ primer)
each n can represent A, C, G, or T.

<400> 18
cgacggtatc ggnnnn 16

<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<221> misc_feature
<222> 19
<223> Description of Artificial Sequence: synthetic primer (5' PCR N₁ primer)
each n can represent A, C, G, or T.

<400> 19
agctctgtgg tgaggatcn 19

<210> 20

<211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 5 <221> misc_feature
 <222> 17, 18, 19, 20
 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₄ primer)
 each n can represent A, C, G, or T.

10 <400> 20
 ctctgtggtg aggatcnmnnn 20

<210> 21
 <211> 19
 15 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> misc_feature
 <222> 19
 20 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₁ primer)
 each n can represent A, C, G, or T.

<400> 21
 25 agctctgtgg tgagcatgn 19

<210> 22
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 30 <220>
 <221> misc_feature
 <222> 17, 18, 19, 20
 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₄ primer)
 each n can represent A, C, G, or T.

35 <400> 22
 ctctgtggtg agcatgnnnn 20

40 <210> 23
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 45 <221> misc_feature
 <222> 22
 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₁ primer)
 each n can represent A, C, G, or T.

50 <400> 23
 cctcgaggtc gacggtatcg an 22

<210> 24
 <211> 23

<212> DNA
 <213> Artificial Sequence
 <220>
 <221> misc_feature
 5 <222> 20, 21, 22, 23
 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₄ primer)
 each n can represent A, C, G, or T.

 <400> 24
 10 tcgaggtcga cggtatcgan nnn 23

 <210> 25
 <211> 30
 15 <212> DNA
 <213> Artificial Sequence
 <220>
 <221>
 <223> Description of Artificial Sequence: synthetic primer (NF-κB extended
 20 primer)
 <400> 25
 gatcgaatcc ggcccgcctg aatcattctc 30

 <210> 26
 <211> 12
 <212> DNA
 <213> Artificial Sequence
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 30 <223> Description of Artificial Sequence: first stuffer segment of
 anchor primer

 <400> 26
 35 agtactcact gc 12

 <210> 27
 <211> 14
 <212> DNA
 40 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: first stuffer segment of
 anchor primer

 <400> 27
 45 agtactcact gcag 14

 <210> 28
 50 <211> 16
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: second stuffer segment of

anchor primer

<400> 28

gattgctacc tcagtct

16

5

<210> 29

<211> 16

<212> DNA

<213> Artificial Sequence

10

<220>

<221> misc_feature

<222> 16

<223> Description of Artificial Sequence: synthetic primer (5' PCR N₄ primer)
each n can represent A, C, G, or T.

15

<400> 29

gctcgacggt atcggn

16

20

<210> 30

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

25

<222> 15, 16

<223> Description of Artificial Sequence: synthetic primer (5' PCR N₂ primer)
each n can represent A, C, G, or T.

30

<400> 30

ctcgacggta tcggnn

16

35

<210> 31

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<222> 14, 15, 16

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<223> Description of Artificial Sequence: synthetic primer (5' PCR N₃ primer)
each n can represent A, C, G, or T.

45

<400> 31

tcgacggtat cggnnn

16

50

<210> 32

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<222> 12, 13, 14, 15, 16

<223> Description of Artificial Sequence: synthetic primer (5' PCR N₅ primer)
each n can represent A, C, G, or T.

5 <400> 32
gacggtatcgg gnnnnnn 16

10 <210> 33
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<221> misc_feature
<222> 11, 12, 13, 14, 15, 16
15 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₆ primer)
each n can represent A, C, G, or T.

20 <400> 33
acggtatcgg nnnnnnn 16

25 <210> 34
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<221> misc_feature
<222> 16
30 <223> Description of Artificial Sequence: synthetic primer (5' PCR N₄ primer)
each n can represent A, C, G, or T.

35 <400> 34
ggtcgacggt atcggn 16

40 <210> 35
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<221>
<222>
<223> Description of Artificial Sequence: synthetic primer (5' RT primer).

45 <400> 35
aggtcgacgg tatcgg 16

50 <210> 36
<211> 59
<212> DNA
<213> Artificial Sequence
<220>
<221>

<222>
<223> Description of Artificial Sequence: synthetic primer (5' ds primer).

<400> 36

5 tcccagtcac gacgttgtaa aacgacggct catatgaatt aggtgaccga cggtatcgg 59

<210> 37

<211> 46

<212> DNA

10 <213> Artificial Sequence

<220>

<221>

<222>

15 <223> Description of Artificial Sequence: synthetic primer (3' ds primer).

<400> 37

cagcggataa caatttcaca cagggagctc caccgcggtg gcggcc 46

<210> 38

20 <211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221>

25 <222>

<223> Description of Artificial Sequence: synthetic primer (5' sequencing primer).

<400> 38

30 cccagtcacg acgttgtaaa acg 23

<210> 39

<211> 19

<212> DNA

35 <213> Artificial Sequence

<220>

<221> misc_feature

<222> 19

40 <223> Description of Artificial Sequence: synthetic primer (3' sequencing primer) wherein v can represent A, C, or G.

<400> tttttttttt ttttttttv 19

45 <210> 40

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

50 <221>

<222>

<223> Description of Artificial Sequence: synthetic primer (3' sequencing primer).

<400> 40
ggtggcgggc gcaggaattt tttttttttt ttttt

25

5 <210> 41
<211> 16
<212> DNA
<213> Artificial Sequence
<220>

10 <221> misc_feature
<222> 15, 16
<223> Description of Artificial Sequence: synthetic primer (5' PCR N₂ primer)
each n can represent A, C, G, or T.

15 <400> 41
gtcgacggta tcggnn

16